



OVERALL LENGTH  
W/STD or OPT HYDRAULIC  
SWIM PLATFORM

**50' 10"**  
15.5 M



ARCTIC WHITE



BLACK



BLUE



HORIZON



SHORELINE

BEAM	15'4" / 4.67 M
DRY WEIGHT (V-DRIVES)	44,623 LB / 20,240 KG
DRY WEIGHT (ZEUS DRIVES) <i>est</i>	46,800 LB / 21,228 KG
DRAFT (V-DRIVES)	52" / 132 CM
DRAFT (ZEUS DRIVES)	50" / 127 CM
DEADRISE	17°
HOLDING TANK	68 GAL / 257 L

*The specification measurements are approximations and subject to variance.*



**500 GAL**  
1,892 L



**130 GAL**  
492 L



**8**  
PEOPLE

**Fly 510 FEATURES**

- ≈ V-Drive w/Digital Throttle & Shift or optional Zeus Propulsion with joystick control
- ≈ Luxurious full beam master stateroom with multiple configurations
- ≈ Standard three stateroom layout and two full heads, each with separate showers
- ≈ Social zone design with galley up and featuring continuous cockpit / salon interaction
- ≈ Standard, fully complemented, upper & lower helm stations
- ≈ Expansive bridge layout with multiple seating, lounging and dining areas
- ≈ Standard Raymarine® eS12 Radar/Chartplotter combo at lower control station

**STANDARD PROPULSION**

Twin Cummins® QSC 8.3 T3 - 600 HO  
Diesel V-Drives  
(T-574 hp - 428 kW)

**Sea Ray**  
**LAUNCH INTO LIVING**

# FLY 510

## FEATURES & STANDARD EQUIPMENT

### HULL & DECK FEATURES

Bottom Paint  
Bow Rail, 316 Stainless Steel w/Welded Stanchions, Intermediate Rails & Life Lines  
Cleats, Thru-Bolted - Stainless Steel (8)  
Deck Fill Plates, Stainless Steel  
Deck Rails, 316 Stainless Steel  
Gel Coat, Arctic White  
Graphics, Striping  
Handrails, 316 Stainless Steel  
Hatch, Deck Vent - Translucent w/Locks & Sky Screen Cover  
Hull Windows, Smoked Acrylic  
Lights, Navigation  
Portlights (2, Opening)  
Resin, High-Performance Vinyl Ester  
Rub Rail, PVC w/Stainless-Steel Insert  
Spotlight w/Dual Halogen Bulbs - Remote Controlled (ACR®)  
Storage, Transom Wall (For Lines & Gear)  
Sun Pad w/Drink Holders - Forward Deck  
Swim Platform, Integral/Extended w/Concealed Stainless-Steel Four-Step Swim Ladder w/Integral Grab Handle  
Thru-Hull Fittings, Stainless Steel  
Vent System, Engine Room - Integral  
Windshield, Bridge Venturi  
Windshield, Tempered/Tinted Curved Glass

### CANVAS (SUNBRELLA®)

Canvas Colors - Blue, Black or Taupe  
Bridge Seats & Console Covers  
Cockpit Seat Covers

### CERTIFICATIONS:

Meets Applicable USCG & ABYC Standards  
NMMA Certification

### MOORING SYSTEM:

Anchor, Galvanized  
Anchor Chute, Stainless Steel  
Anchor Rope/Chain Storage w/Gas-Assisted Hatches  
Anchor Washdown Spigot  
Windlass, Rope/Chain w/Foot Switches

### BRIDGE FEATURES

Beverage Holders  
Console Glove Box  
Handrails, 316 Stainless Steel  
Hatch, Sliding Bridge Access  
Lighting, Indirect LED  
Outlet, 12V Accessory  
Outlet, 120V GFI Protected  
Radar Arch  
Refrigerator, 120V  
Seating, Helm  
Seating, Convertible w/Storage Below  
Ship's Bell  
Sunpad  
Table, Natural Teak - Aft

### COCKPIT FEATURES

Beverage Holders  
Door, Frameless Cabin Entry w/Stainless Steel Accents & Tempered/Tinted Glass (Sliding & Lockable)  
Door, Transom  
Floor Liner, Self-Bailing Fiberglass  
Handrails, 316 Stainless Steel  
Lazarette w/Dedicated Line & Fender Stowage  
Lighting, LED - White  
Outlet, 120V GFI Protected

Seating, Aft Bench  
Steps, Boarding (Molded-In)  
Steps, Exterior Bridge Access w/Stainless-Steel Handrail & Storage Below

### CABIN FEATURES

Carbon Monoxide Monitors  
Carpet, 100% Stainmaster®  
Doors, Wood  
Handrails, Stainless Steel  
Lighting, 12V Indirect - LED  
Outlets, 12V Accessory  
Outlets, 120V GFI Protected  
Outlet & Switch Plates - Polished Nickel Finish  
Pillows, Accent  
Storage, In-Floor  
Vacuum System, Dyson

### INTERIOR FINISHES & TREATMENTS:

Wood Cabinetry: French Walnut, Satin  
Window Treatment: Fabric Curtains (Salon); Aluminum Blinds (Lower Accom)

### SALON:

Control Station - Lower Helm w/Single Stidd Helm Seat  
Entertainment Center:

- Gaming System Port, iPod® Interface w/Docking Station, MP3 Port w/USB, 12V Outlet, Stereo - 12V AM/FM, Wireless Bluetooth™, SiriusXM® Satellite Receiver w/Antenna, Amplifier, Subwoofer, Speakers (4), Digital Cockpit Remote Control & Speaker Selector Switches
- Storage Cabinet - CD & DVD
- TV, 50" LED / Smart w/Remote Blu-ray™ Player

Flooring, Wood  
Seating, Sofa - Opposing  
Storage Cabinets  
Table, Folding Wood

### GALLEY:

Coffeemaker, Keurig®  
Countertop, Solid Surface w/Sink, Faucet & Sink Cover  
Flooring, Wood  
Freezer w/Icemaker & Stainless Steel Front - 120V  
Microwave/Convection Oven w/Stainless-Steel Front - 120V  
Power Vent, 12V  
Refrigerator w/Stainless-Steel Front - Dual Voltage (120V/12V)  
Storage, Drawers  
Storage, Galley Pantry  
Stove, Two-Burner - 240V  
Trash Receptacle

### MASTER STATEROOM (FULL BEAM, MID-SHIP):

Bed, Queen Size w/Innerspring Mattress, Pillows, Sheets, Coordinated Spreads & Drawer Storage Below  
Door, Privacy w/Full Length Mirror  
Dressers - Port & Starboard  
Flooring, Carpet  
Headboard, Lattice Style  
Mirrored Hanging Locker, Cedar Lined w/Light  
TV, 32" LED / Smart w/Remote Blu-ray™ Player  
USB Port - Powered

### MASTER STATEROOM HEAD/SHOWER:

Door, Access from Master Stateroom  
Flooring, Tile  
Handrails, Stainless Steel  
Head, VacuFlush®  
Power Vent, 12V  
Robe Hook, Head Door  
Shower w/Adjustable Shower Wand & Acrylic Door

Storage, Medicine Cabinet - Mirrored  
Towel Bar  
Towels - Sea Ray  
Vanity w/Solid-Surface Countertop, Sink, Faucet & Storage Below

### FORWARD STATEROOM:

Bed, Queen-Size w/Innerspring Mattress, Pillows, Sheets, Coordinated Spread & Storage  
Door, Privacy  
Door, Access to Fwd Head/Shower  
Flooring, Carpet  
Hanging Lockers, Mirrored and Cedar Lined w/Light  
Storage, Lower Cabinet  
TV, 24" LED, w/Remote Blu-ray™ Player  
USB Port - Powered

### FORWARD HEAD/SHOWER:

Door, Access from Companionway  
Flooring, Tile  
Handrails, Stainless Steel  
Head, VacuFlush®  
Power Vent, 12V  
Robe Hook, Head Door  
Shower w/Adjustable Shower Wand & Acrylic Door  
Storage, Medicine Cabinet - Mirrored  
Towel Bar  
Towels - Sea Ray  
Vanity w/Solid-Surface Countertop, Sink, Faucet & Storage Below

### MID STATEROOM:

Convertible Twin Beds, Pillows, Sheets, Coordinated Spreads & Storage Below  
Door, Privacy  
Flooring, Carpet  
Hanging Locker, Cedar Lined w/Light  
Mirror  
Storage, Drawers

### TECHNICAL FEATURES

### AIR CONDITIONING/HEATING:

Zone-Controlled Reverse-Cycle System, 240V (40,000 BTU)  
Custom Integral Vent System

### BRIDGE CONTROL STATION:

Alarms, High Water - Bilge & Cabin  
Battery Parallel Start System - Engines  
Compass  
Dash, Gel Coated  
Electronic Throttle & Shift Controls (ETS)  
Horn, Air - 12V  
Instrument Panel  
SmartCraft® Diagnostics:

- Instrumentation, Custom Sea Ray® SmartCraft w/Low-Glare Blue Night Lighting & Chrome Bezels
- 4-in-1 Multigauges (2) (Includes: Fuel Level, Oil Pressure, Voltmeter & Water Temperature)
- Tachometers (2)

SmartCraft VesselView Display:

- Propulsion: Engine Hour Meters, Engine Status, Performance & Fuel, Peak Performance, Boost Pressure (Optional), Troll Control & Cruise Control
- Vessel: Vessel Status, Tank Status, Steering Position & Generator Data
- Environment & Navigation: GPS Interface, Depth & Water Temperature, Depth Alerts, Trip Log Information, Fuel to Waypoint Data & Navigation Data
- Active Alarms/Details
- Alarm History/Details

Steering, Power Assisted Hydraulic w/Tilt Wheel  
Switch Panel, Backlit  
Switches, Illuminated Weatherproof Rockers & Electronic Dimmer Control  
USB Port - Powered

### ELECTRONICS (BRIDGE):

Electronics Circuit, 12V/50 Amp  
Raymarine® eS12 Widescreen 12.1" Color LCD, Radar/GPS/Chartplotter w/Integrated 4-kW HD Open Array Scanner  
VHF Radio w/Remote Speaker & 8' Fiberglass Antenna

### LOWER CONTROL STATION:

Alarms, High Water - Bilge & Cabin  
Battery Parallel Start System - Engines  
Compass  
Dash, Gel Coated  
Defroster  
Electronic Throttle & Shift Controls (ETS)  
Horn, Air - 12V  
Instrument Panel - High Gloss  
SmartCraft® Diagnostics:

- Instrumentation, Custom Sea Ray® SmartCraft w/Low-Glare Blue Night Lighting & Chrome Bezels
- 4-in-1 Multigauges (2) (Includes: Fuel Level, Oil Pressure, Voltmeter & Water Temperature)
- Tachometers (2)

SmartCraft Digital Throttle & Shift (DTS)  
SmartCraft VesselView Display:

- Propulsion: Engine Hour Meters, Engine Status, Performance & Fuel, Peak Performance, Boost Pressure (Optional), Troll Control & Cruise Control
- Vessel: Vessel Status, Tank Status, Steering Position & Generator Data
- Environment & Navigation: GPS Interface, Depth & Water Temperature, Depth Alerts, Trip Log Information, Fuel to Waypoint Data & Navigation Data
- Active Alarms/Details
- Alarm History/Details

Steering, Power Assisted Hydraulic w/Tilt Wheel  
Switch Panel, Backlit - High Gloss  
Switches, Illuminated Weatherproof Rockers & Electronic Dimmer Control  
USB Port - Powered  
Windshield Wipers w/Wiper Controls

### ELECTRONICS (LOWER):

Electronics Circuit, 12V/50 Amp  
Raymarine® eS12 Widescreen 12.1" Color LCD, Radar/GPS/Chartplotter  
VHF Radio w/Remote Speaker & 8' Fiberglass Antenna

### ELECTRICAL SYSTEMS:

Batteries, 8-D Type w/Trays  
Battery Charger/Converter, 120V/60 Amp/12V  
Battery Solenoid Switches, 12V (3)  
Cable Television System w/Inlet, TV Shore Cord, Coax Outlets, Gain Control & Omni Directional Antenna Enclosure, Weatherproof Main Solenoid Panel, Circuit Breaker - Remote Panel, DC Main Breaker Panel, Main Distribution - AC Panel, Main Distribution - DC Shore Power, Cablemaster™ (Glendinning) 240V/50 Amp w/75' Cord & Wireless Remote (Cablemaster N/A w/220V/50 Cycle Shore Power)  
Shore Power, Additional Inlet - 120V/50 Amp w/75' Cord and 6kva Transformer  
Transformer, Shore Power Isolation - 240V/50 Amp

# FLY 510

## ENGINE ROOM:

Bilge Pumps, 12V Automatic  
 Bilge Pumps, 12V Automatic High-Water  
 Blowers, 12V Bilge (2)  
 Fire Suppression System - Automatic w/Diesel Shutdown, Override  
 & Manual Pull  
 Gel-Coated Engine Room  
 Insulation, Engine Room - 2" w/Loaded Vinyl Barrier  
 Ladder, Stainless Steel - Removable  
 Lighting, 12V

## FUEL SYSTEM:

Diesel Fuel System - Electric w/Transfer Pump  
 Fuel Filters, Remote (Racor®)  
 Fuel Lines, USCG - Type A-1  
 Fuel Tanks, Aluminum w/Manual Shut-Off Valves & Sending Units

## GENERATOR:

17 kW Onan® - Diesel (120V/240V/60 Cycle) w/Sound Shield,  
 Remote Start, Muffler, Closed Cooling, Fuel Filter, Seacock &  
 Seawater Strainer

## UNDERWATER GEAR:

V-Drives:  
 - Bonding System w/Zinc Hull Plate  
 - Propellers, Nibral 4-Blade  
 - Propeller Shafts, 2.25" Stainless Steel (2) - Aquamet 22  
 - Rudders, Manganese-Bronze  
 - Seacocks - Engines  
 - Seawater Strainers - Engines  
 - Shaft Logs, Dripless w/Extra Seal Carrier Kit  
 - Struts, Manganese-Bronze  
 - Trim Tabs, Hydraulic  
 Zeus Drives (Optional):  
 - Propellers, Stainless Steel  
 - Trim Tabs, Hydraulic (Integrated w/Zeus Pod Drives)

## WASTE SYSTEM:

Common Drain System  
 Head System (VacuFlush®)  
 Holding Tank Level Indicators - MDP  
 Holding Tank w/Dockside Pump-Out (68 Gallon)  
 Sump Box w/Automatic Pump & Hinged Service Lid

## WATER SYSTEM:

Freshwater Washdown Spigots w/Hoses - Transom, Engine Room  
 & Anchor Locker  
 Pressure Water System w/12V Pump & Charcoal Filtration System  
 Shower, Cockpit - Single-Lever Hot & Cold w/Stainless-Steel Door,  
 Braided Hose & Ergonomic Shower Wand  
 Water Heater, 240V (20 Gallon)  
 Water Inlet, Dockside  
 Water Manifold System

## STANDARD PROPULSION

## TWIN DIESEL V-DRIVES:

T-Cummins® QSC 8.3 T3 - 600 HO  
 (T-574 hp - 428 kW)

## OPTIONS & ACCESSORIES

### OPTIONAL PROPULSION

#### TWIN DIESEL V-DRIVES:

T-VD-Cummins QSM 11 T3 - 715 HO  
 (T-684 hp - 510 kW)

#### TWIN DIESEL ZEUS® DRIVES:

T-Zeus-Cummins QSC T3 8.3 - 600 HO  
 (T-574 hp - 428 kW)

### ELECTRONICS OPTIONS

Raymarine® AIS650 Transceiver  
 Raymarine Evolution Autopilot (V-Drives Only) (Interfaced with  
 e125 Displays)  
 Raymarine CP 300 Fishfinder Module (Interfaced with e125  
 Displays)  
 Raymarine eS12 Widescreen GPS/Chartplotter - Auxiliary Display  
 (Lower Station)  
 Raymarine eS12 Widescreen GPS/Chartplotter - Auxiliary Display  
 (Bridge)  
 Raymarine gS125 Widescreen GPS/Chartplotter Upgrade -  
 3 Displays  
 Raymarine gS125 Widescreen GPS/Chartplotter Upgrade -  
 Secondary Upper Auxilliary  
 Raymarine Aft Facing Bridge Camera (Interfaced with eS12  
 Displays)

### BRIDGE OPTIONS

Canvas, Bimini Top - Bridge  
 Canvas, Full Bridge Cover  
 Flooring, Infinity Seagrass™ - Bridge  
 Flooring, Teak - Bridge  
 Grill & Sink - Bridge  
 Grill (only) - Bridge (N/A w/Cockpit Grill)  
 Hardtop w/Lighting, Sunroof & Electrically Retractable Skylight  
 Hardtop, Extended w/Lighting, Polycarbonate Canvas Enclosure,  
 Air Conditioning  
 Hardtop, Extended w/Lighting, Sunroof, Polycarbonate Canvas  
 Enclosure, Air Conditioning  
 Table, Natural Teak w/ Cover - Aft Bridge (In Lieu of Std. Table)  
 Table, Natural Teak w/ Cover - Fwd Port Bridge Area

### INDIVIDUAL OPTIONS

Anchor, Polished Stainless Steel (In Lieu of Galvanized)  
 Bow Rail, Split  
 Bow Thruster (w/Batteries & Charger) (N/A w/Zeus)  
 Bow & Stern Thruster (w/Batteries & Charger) (N/A w/Zeus)  
 Cabin Audio Upgrade Harman Kardon® / Bose Speakers  
 Canvas, Cockpit Enclosure  
 Canvas, Dash Cover (For Lower Helm)  
 Canvas, Mesh Windshield Shades  
 Carpet Runners, Interior (Sunbrella®)  
 Chairs, Folding (2) Storable Dinette Seating  
 China, Place Settings  
 Colored Hull - Gelcoat (Black, Blue, Horizon or Shoreline)  
 Colored Hull - Painted (Check for Color Availability)  
 Countertop Upgrade - Quartz (Light or Dark)  
 Countertops (Dark Solid Surface In-lieu-of Light)  
 Crew Quarters:  
 Single Bunk; Hatch; Vacuflush Head System; 12VDC  
 Lighting; 120V Outlet; Opening Stainless-Steel Portlight;  
 Air Conditioning/Heating (6,000 BTU); Sink & Shower (Only  
 Available w/V-Drive Propulsion)  
 Digital Satellite TV System (KVH TracVision HD7)  
 Door, Cabin Entry - Stainless Steel (In-Lieu-of Standard Powder  
 Coated Aluminum)  
 Flooring, Infinity Seagrass™ - Cockpit

Flooring, Teak - Cockpit & Bridge Steps  
 Flooring, Teak - Deck Catwalks  
 Flooring, Teak - Swim Platform  
 Grey Water System  
 Grill - Cockpit  
 Icemaker, Cockpit, 120V  
 Interior Treatment: Countertop Silestone® Upgrade (Light or Dark)  
 Interior Treatment: Wood Cabinetry Finishes - Dark Cherry, High  
 Gloss  
 Interior Treatment: Windows: Wood Blinds (Cherry or Walnut) or  
 Roman Shades  
 Inverter, 120V/60 Cycle  
 Joystick Docking Control for V-Drives (Coupled w/Bow Thruster)  
 Joystick Docking Control for V-Drives (Coupled w/Bow & Stern  
 Thrusters)  
 Lights, Underwater - Transom (4) (White or Blue)  
 Macerator w/Seacock Interlock System  
 Multi Station Docking - Cockpit Controls - V-Drives  
 Multi Station Docking - Cockpit Controls - Zeus  
 Oil Changer System, Engines & Generator  
 Passerelle System, Telescoping - Transom  
 Portlights, Opening - Each Sateroom  
 Propellers, Spare w/Holder (Pair) for V-Drives  
 Propeller Holder For Spare Zeus Props (Props Not Included)  
 Refrigerator, Cockpit  
 Refrigerator & Freezer Upgrade - Galley (To Drawer Style)  
 Remote Control, Universal - Logitech Harmony  
 Rod Holders (2) - Cockpit  
 Salon Ottoman

Seakeeper® Gyroscopic Stabilizer w/Generator Upgrade  
 Seating, Additional Cockpit - Portside  
 Seating, Opposing w/Storage & Table - Master Stateroom  
 (Replaces Stbd Dresser)  
 Seating, Salon Sofa w/Pullout Bed  
 Stereo System Upgrade - Salon & Master Stateroom  
 Speaker Upgrade, Exterior - Cockpit & Bridge  
 Sun Pad Filler Cushions - Bridge & Aft Seating Areas  
 Swim Platform, Hydraulic Marine Lift w/Remote & Manual Pump  
 (1,000 lb Capacity)  
 Table, Natural Teak - Cockpit  
 Table, High/Low - Salon  
 TV, 24" LED, w/Remote Blu-ray™ Player - Mid Stateroom  
 Washer/Dryer Combo, 120V  
 Windlass, All-Chain  
 Windlass, Capstan  
 Windlass - Stern  
 Windshield w/Manual Opening Side Window  
 Wine Cooler/Chiller  
 Yacht Flag & Flagpole

CE Option

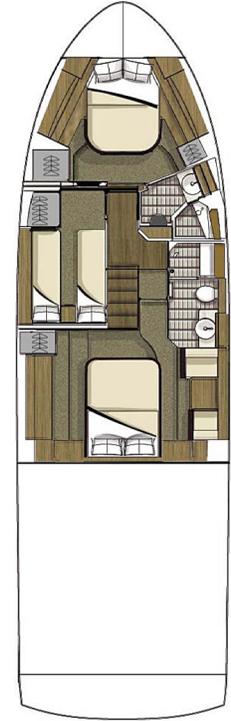
*NOTE: Some features and options may not be available when  
 a boat is built for regions outside North America and/or has CE  
 Certification. Boats ordered with 220V/50 cycle electrical systems  
 will have the appropriate appliances in the corresponding voltage.*



BRIDGE LAYOUT  
 (Shown w/Opt Features)



UPPER CABIN & COCKPIT LAYOUT  
 (Shown w/Opt Features)



LOWER CABIN LAYOUT  
 (Shown w/Opt Features)

# FLY 510

Think of consummate hosts you've met. They support social interaction with beautiful settings and all the right amenities and offerings to bring life to the party, keeping the mood bright, lively and happy. You've just imagined the Fly 510, with its highly functional social zones and crowd-pleasing features to keep you and your guests at full-smile. SkyFlow Design circulates light and air throughout the boat. The galley, salon and cockpit combine like an indoor/outdoor great room, and the expansive bridge layout is the icing on the cake. Hosting is easy in such an environment. And then when the pace has slackened, a full-beam master suite breathes peace into every weekend getaway.



The open, spacious salon with a sliding door leading to the cockpit gives the vessel a feeling of abundance. Upper and lower helm stations mean you can captain from wherever your crew wants to congregate.



Power and security go hand in hand with state-of-the-art Raymarine® electronics and navigational equipment.



Room to breathe. The Fly's open floor plan on the upper level allows a continuous flow of light, air and conversation through the salon and galley. You'll find that here, conversation comes easily and the numerous windows stream in glorious sunshine.



A gourmet galley with solid surface countertop and under-counter stainless steel refrigerator and freezer makes entertaining a pleasure.



Bringing along as many friends or family members as you want is a part of cruising's fun. The 510's three-stateroom layout means time on the water in comfort for everyone including a lattice-style headboard and double dressers in the master.



Elegant luxury features and designer head appointments make the Fly 510 unlike any other yacht in its class.

**ABYC**  
Sponsor of ABYC Marine  
Certification School



*Sea Ray*



121462016

Note: Not all accessories shown in pictures or described herein are standard equipment or even available as options. Some features and options may not be available when a boat is built for outside North America and/or has CE Certification. Options and features are subject to change without notice. Not all model year boats may contain all the features or meet the specifications described herein. Confirm availability of all accessories and equipment with an authorized Sea Ray dealer prior to purchase. Printed in the U.S.A. December 2016 ©Sea Ray Boats.